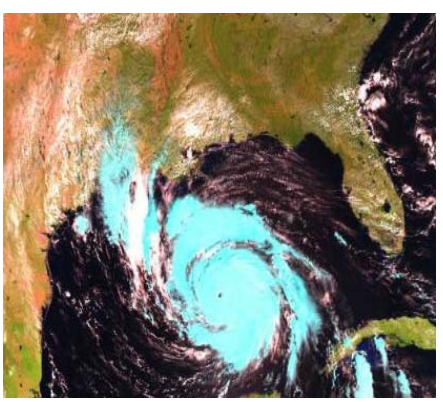
EROS Data Center's Support:
Homeland Security & Emergency Response

The U.S. Geological Survey Earth Resources Observation System (EROS) Data Center (EDC) fulfills its role as the Nation's archive for land remote sensing and other earth observation data by collecting, processing, distributing, and archiving geo-spatial information and products drawing from an unprecedented growing archive of over 30 years of satellite, aerial, and remotely sensed derivative data. USGS EDC also operates the Landsat Satellite Systems, and directly collects and processes other remotely sensed satellite data, i.e. NASA Earth Observing –1 (EO-1) and Terra MODIS.

Under the U.S. Federal Response Plan, the USGS EDC provides comprehensive geo-spatial information to aid in emergency response and disaster assessment. USGS EDC also functions as the Federal Emergency Management Agency (FEMA) Executive Agent for the acquisition and coordination of commercial and civil government aerial and satellite remote sensing data during disaster response operations. Additionally, USGS EDC plays an important role in national fire science (response & assessment) and significantly contributes in aiding international emergency response to global natural disaster events.

Emergency Response – Hurricane Isadora
Gulf of Mexico
September 2002

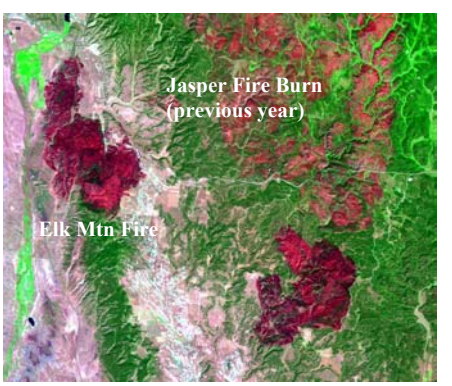


NASA Terra MODIS Direct Broadcast

Disaster Assessment - F5 Tornado Path
La Plata, Maryland
May 1, 2002

NASA Earth Observing-1 Advanced Land Imager

Forest Fire Response & Assessment
South Dakota Fires
August 7, 2001



USGS Landsat-7

DoD Response & Assessment
Baghdad, Iraq
April 2, 2003

USGS Landsat-7

USGS EDC plays a significant role in supporting the Nation's Homeland Security and National Defense by providing a host of expedited services and imagery products. The image of Baghdad, Iraq was taken by the Landsat 7 Enhanced Thematic Mapper Plus (ETM+) sensor at 30 meter resolution with panchromatic sharpening applied at 15 meters. Acquired on on April 2, 2003 this image shows numerous fires and smoke plumes in and around Baghdad.

USGS EDC provides a comprehensive range of geo-spatial data and printed products in response to dynamically changing events. Product processing and distribution capabilities are highly customer responsive and include the use of data transfer web technologies, multiple media, (i.e. CD, DVD, print/film), standardized GIS formats, and "Quick Look" customer browse imagery. Visit USGS EDC at **http://edc.usgs.gov/**

Homeland Security & Emergency Response:
risty@usgs.gov

Homeland Security & Emergency Response:
bkjones@usgs.gov